V(A). Planned Program (Summary)

Program # 6

1. Name of the Planned Program

Global Food Security and Hunger

V(B). Program Knowledge Area(s)

1. Program Knowledge Areas and Percentage

<table>
<thead>
<tr>
<th>KA Code</th>
<th>Knowledge Area</th>
<th>%1862 Extension</th>
<th>%1890 Extension</th>
<th>%1862 Research</th>
<th>%1890 Research</th>
</tr>
</thead>
<tbody>
<tr>
<td>204</td>
<td>Plant Product Quality and Utility (Preharvest)</td>
<td>20%</td>
<td>20%</td>
<td>20%</td>
<td>20%</td>
</tr>
<tr>
<td>307</td>
<td>Animal Management Systems</td>
<td>20%</td>
<td>20%</td>
<td>20%</td>
<td>20%</td>
</tr>
<tr>
<td>502</td>
<td>New and Improved Food Products</td>
<td>20%</td>
<td>20%</td>
<td>20%</td>
<td>20%</td>
</tr>
<tr>
<td>703</td>
<td>Nutrition Education and Behavior</td>
<td>20%</td>
<td>20%</td>
<td>20%</td>
<td>20%</td>
</tr>
<tr>
<td>704</td>
<td>Nutrition and Hunger in the Population</td>
<td>20%</td>
<td>20%</td>
<td>20%</td>
<td>20%</td>
</tr>
<tr>
<td><strong>Total</strong></td>
<td></td>
<td><strong>100%</strong></td>
<td><strong>100%</strong></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

V(C). Planned Program (Inputs)

1. Actual amount of professional FTE/SYs expended this Program

<table>
<thead>
<tr>
<th>Year: 2009</th>
<th>Extension</th>
<th>Research</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>1862</td>
<td>1890</td>
</tr>
<tr>
<td></td>
<td>0.0</td>
<td>0.0</td>
</tr>
</tbody>
</table>

2. Actual dollars expended in this Program (includes Carryover Funds from previous years)

<table>
<thead>
<tr>
<th>Extension</th>
<th>Research</th>
</tr>
</thead>
<tbody>
<tr>
<td>Smith-Lever 3b &amp; 3c</td>
<td>Hatch</td>
</tr>
<tr>
<td>1890 Extension</td>
<td>0</td>
</tr>
<tr>
<td>1862 Matching</td>
<td>0</td>
</tr>
<tr>
<td>1862 All Other</td>
<td>0</td>
</tr>
</tbody>
</table>

V(D). Planned Program (Activity)

1. Brief description of the Activity

An issue team on sustainable agriculture and nutrition has been implemented.

Fostering development of local food systems, which includes promoting use of local foods, can improve energy efficiency of the food system while yielding many other benefits. Indeed, a one-year project "Wyoming Specialty Crops and Local Foods Project: Supporting Sustainable Lifestyles" was approved by the Wyoming Department of Agriculture to enhance efficiency within local food systems by improving relationships among local food producers and consumers in Wyoming. The resulting increased awareness and consumption of locally grown foods has many potential benefits, including more efficient use of natural resources related to the energy cost of food transportation, processing, and packaging. This project as part of Global Food Security and Hunger program will achieve its purposes through three primary components:

1) Development and distribution of the Wyoming Local Foods Guide (print and electronic versions); which will include a directory of specialty crops and other local food products, nutrition and food safety resources, recipes for using local foods, fact sheets related to local foods in Wyoming, and tips on sustainable living. The Foods Guide will be uniquely Wyoming but will draw...
from several existing examples.

2) Development and pilot-testing of Wyoming Local Food Expos in at least two communities;

3) Development and implementation of a training module to provide UW CES educators statewide with the knowledge and skills to successfully promote local foods.

Nutrition educators, including those working in the EFNEP program as part of Cent$ible Nutrition which reaches limited resource individuals, and families teach concepts which help families in meal planning, preparation, and maximize resources to provide nutritious meals.

Research is ongoing at the University of Wyoming regarding new crop varieties and livestock practices which produce optimum food supplies while increasing profitability and sustainability of agriculture producers.

2. Brief description of the target audience

The University of Wyoming is committed to reaching underrepresented groups and individuals and to implementing the objectives of equal opportunity regulations relative to the consideration and treatment of clientele for participation in all programs regardless of their race, national origin, gender, age, religion, or disability.

Targeted audiences for Global Food Security and Hunger programs include:

- General public (Youth and Adults)
- Agriculture producers, both large and small farms and ranches
- Individuals who sell at farmer's markets
- Policy makers

All nutrition efforts targeted audience includes: general public, both adults and youth and policy makers.

V(E). Planned Program (Outputs)

1. Standard output measures

<table>
<thead>
<tr>
<th>2009</th>
<th>Direct Contacts Adults</th>
<th>Indirect Contacts Adults</th>
<th>Direct Contacts Youth</th>
<th>Indirect Contacts Youth</th>
</tr>
</thead>
<tbody>
<tr>
<td>Plan</td>
<td>{NO DATA ENTERED}</td>
<td>{NO DATA ENTERED}</td>
<td>{NO DATA ENTERED}</td>
<td>{NO DATA ENTERED}</td>
</tr>
<tr>
<td>Actual</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>0</td>
</tr>
</tbody>
</table>

2. Number of Patent Applications Submitted (Standard Research Output)

Patent Applications Submitted

Year: 2009

Plan: 0

Actual: 0

Patents listed

3. Publications (Standard General Output Measure)

Number of Peer Reviewed Publications

<table>
<thead>
<tr>
<th>2009</th>
<th>Extension</th>
<th>Research</th>
<th>Total</th>
</tr>
</thead>
<tbody>
<tr>
<td>Plan</td>
<td>0</td>
<td>0</td>
<td>0</td>
</tr>
<tr>
<td>Actual</td>
<td>0</td>
<td>0</td>
<td>0</td>
</tr>
</tbody>
</table>

V(F). State Defined Outputs

Output Target

Output #1

Output Measure

- Number of educational programs focusing on global food security and hunger. Target is the number of programs
- Not reporting on this Output for this Annual Report
Output #2

Output Measure

- Number of participants attending programs focusing on global food security and hunger. Target is the number of individual participants.
  Not reporting on this Output for this Annual Report

Output #3

Output Measure

- Number of partnerships formed with other nutrition/health/farmers market agencies or organizations. Target is the number of partnerships.
  Not reporting on this Output for this Annual Report

Output #4

Output Measure

- Increased adoption of sustainable agriculture methods and practices which result in increased production of the food supply. Target is number of participants reporting outcome.
  Not reporting on this Output for this Annual Report

Output #5

Output Measure

- Effectiveness off research programs will be based on integration of extension programs, patents, grant dollars, and publications. Target is number of research projects focusing on global food security and hunger.
  Not reporting on this Output for this Annual Report
### V. State Defined Outcomes Table of Content

<table>
<thead>
<tr>
<th>O. No.</th>
<th>OUTCOME NAME</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>Increased knowledge of agriculture producers on sustainable cropping and livestock systems. Target is number of producers reporting outcome.</td>
</tr>
<tr>
<td>2</td>
<td>Improved sustainable agriculture production practices resulting in an increased food supply. Outcome is number of producers reporting outcome.</td>
</tr>
<tr>
<td>3</td>
<td>Increased availability of personal/family food resources. Target is number of participants reporting outcome.</td>
</tr>
<tr>
<td>4</td>
<td>Individuals gain awareness, knowledge, and skills related to: increased knowledge of healthy food choices; improved selection of healthy foods; improved food resource management. Target is the number of participants reporting outcome.</td>
</tr>
<tr>
<td>5</td>
<td>The short term goal of research efforts is to increase grant funding. Target is number of projects which show positive outcomes in regard to additional funding.</td>
</tr>
</tbody>
</table>
Outcome #1

1. Outcome Measures

Increased knowledge of agriculture producers on sustainable cropping and livestock systems. Target is number of producers reporting outcome.

Not Reporting on this Outcome Measure

Outcome #2

1. Outcome Measures

Improved sustainable agriculture production practices resulting in an increased food supply. Outcome is number of producers reporting outcome.

Not Reporting on this Outcome Measure

Outcome #3

1. Outcome Measures

Increased availability of personal/family food resources. Target is number of participants reporting outcome.

Not Reporting on this Outcome Measure

Outcome #4

1. Outcome Measures

Individuals gain awareness, knowledge, and skills related to: increased knowledge of healthy food choices; improved selection of healthy foods; improved food resource management. Target is the number of participants reporting outcome.

Not Reporting on this Outcome Measure

Outcome #5

1. Outcome Measures

The short term goal of research efforts is to increase grant funding. Target is number of projects which show positive outcomes in regard to additional funding.

Not Reporting on this Outcome Measure

V(H). Planned Program (External Factors)

External factors which affected outcomes

- Competing Public priorities
- Competing Programmatic Challenges

Brief Explanation

As a new program, educational efforts by CES are in beginning stages. Though a new title; research efforts at the University of Wyoming College of Agriculture and Natural Resources are ongoing in development of new crop varieties; value added products, and livestock production practices which address the objective of this planned program. Meeting global demand for food is integral to all efforts at the University of Wyoming. Research and extension efforts in human nutrition, particularly those that target limited resource individuals and families are critical to our mission. For FY 09 many reported outputs and outcomes will be found in profitable and sustainable agriculture systems and nutrition and food safety.
V(I). Planned Program (Evaluation Studies and Data Collection)

1. Evaluation Studies Planned

Evaluation Results

   (No Data Entered)

Key Items of Evaluation

   (No Data Entered)